

**Notice of Allowability**

Application No.

10/613,600

Examiner

Minh Nguyen

Applicant(s)

KERNHOF ET AL.

Art Unit

2816

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 9/9/04.
2. ☒ The allowed claim(s) is/are 1,2,6,9-19 and 22-25.
3. ☒ The drawings filed on 09 September 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with an attorney of record, Stephen Ackerman, on 9/21/04.

2. The application has been amended as follows:

In claim 1, line 6, "the", second occurrence, has been deleted,

line 11, "said" has been deleted,

line 12, "means" has been replaced by -- module --,

line 15, "said means for reverse supply protection;" has been deleted,

line 16, "two" has been deleted,

line 16, -- each -- has been inserted after "H-Bridge",

line 17, "are" has been replaced by -- receives one of --,

line 19, "each" has been replaced by -- the --,

line 19, "two" has been replaced by -- the corresponding--,

line 20, "each" has been deleted,

line 22, "two" has been deleted,

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line 27, “two” has been deleted,

line 31, “two” has been deleted,

line 31, -- each -- has been inserted after “drivers”,

line 31, “input” has been replaced by -- inputs --,

line 32, “are” has been replaced by -- receives one of --,

line 34, “each” has been replaced by -- the --,

line 34, “two correspondent” has been replaced by -- the corresponding--,

line 37, “having each its” has been replaced by -- , the--,

line 38, -- of each -- has been inserted after “gate”,

line 38, “two related” has been replaced by -- corresponding --,

line 38, “via one of” has been deleted,

line 39, “said resistors each” has been deleted,

line 41, “having their gates” has been replaced by -- , the gate of each --,

line 42, “related” has been replaced by -- corresponding --,

line 42, “driver” has been replaced by -- drivers --.

In claim 2, line 2, “the switching part of said means to increase battery” has been replaced by -- said charge pump --,

line 3, “voltage”, first occurrence, has been deleted,

line 3, “two” has been deleted,

In claim 22, line 1, “said”, third occurrence, has been replaced by -- side --.

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3. The following is an examiner's statement of reasons for allowance: Claims 1-2, 6, 9-19, 22-25 are allowed.

Claims 1-2, 6, 9-19, 22-25 are allowed because the prior art of record fails to disclose or suggest the inclusion of a charge pump having a switching network and first and second voltage dividers connected as recited in claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh Nguyen whose telephone number is **571-272-1748**. The examiner can normally be reached on Monday, Tuesday, Thursday, Friday 7:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



9/21/04

Minh Nguyen  
Primary Examiner  
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